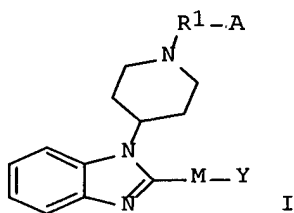


L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS
 AN 2001:573269 CAPLUS
 DN 135:152805
 TI Preparation of benzimidazoles as ORL1-receptor agonists for analgesics
 IN Ito, Fumitaka; Noguchi, Hirohide; Ohashi, Yoriko; Shimokawa, Hirohisa
 PA Pfizer Pharmaceutical Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 39 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001213878	A2	20010807	JP 2000-396414	20001227
	EP 1122257	A1	20010808	EP 2000-311316	20001218
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	BR 2001000014	A	20010828	BR 2001-14	20010104
PRAI	US 2000-174542	P	20000105		
OS	MARPAT 135:152805				
GI					



AB Title compds. I [R1 = C3-11 cycloalkyl, C6-16 bicycloalkyl, C6-16 tricycloalkyl, C8-16 tetracycloalkyl, etc.; A = (un)substituted C1-7 alkyl, C2-5 alkenyl, C2-5 alkynyl, aryl, etc.; M = single bond, CH2, O, S, SO, SO2, CO, NH, etc.; Y = 4- to 12-membered bicyclic carbon ring, 4- to 12-membered bicyclic hetero ring, 5- to 17-membered spiro carbon ring, 5- to 17-membered spiro hetero ring; Z1-Z4 = (un)substituted C1-4 alkyl, C1-4 alkoxy, C1-4 alkylsulfonyl, C1-4 alkylcarbonyl, carboxy, etc.] or their salts are prepd. Tert-Bu 3-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-3,8-diazabicyclo[3.2.1]octane-8-carboxylate was treated with F3CCO2H in CH2Cl2 at room temp. for 0.5 h to give 77.6% 2-(3,8-diazabicyclo[3.2.1]oct-3-yl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazole HCl salt.

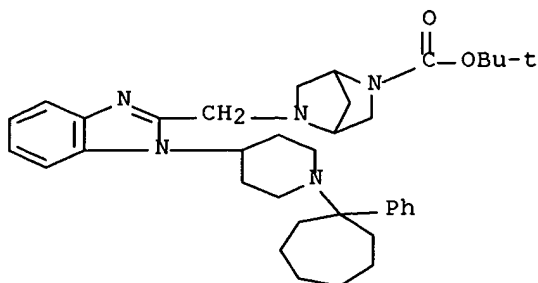
IT 352541-90-3

RL: RCT (Reactant)

(prepn. of benzimidazoles as ORL1-receptor agonists for analgesics)

RN 352541-90-3 CAPLUS

CN 2,5-Diazabicyclo[2.2.1]heptane-2-carboxylic acid, 5-[[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

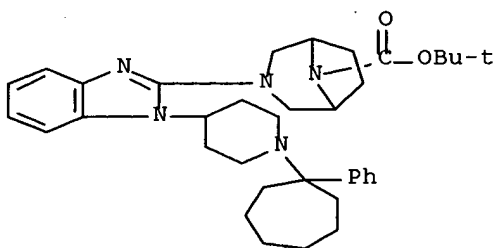


IT **352541-75-4P 352542-61-1DP**, mesylate

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of benzimidazoles as ORL1-receptor agonists for analgesics)

RN 352541-75-4 CAPLUS

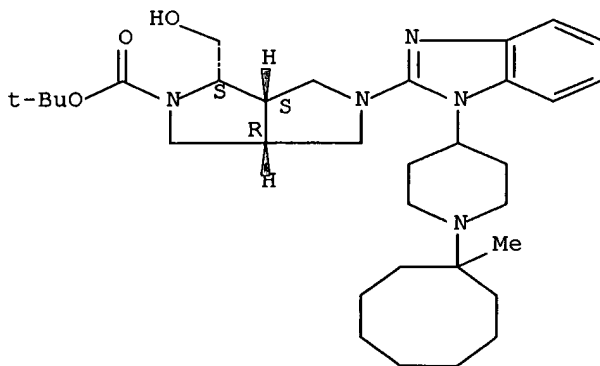
CN 3,8-Diazabicyclo[3.2.1]octane-8-carboxylic acid, 3-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 352542-61-1 CAPLUS

CN Pyrrolo[3,4-c]pyrrole-2(1H)-carboxylic acid, hexahydro-1-(hydroxymethyl)-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, 1,1-dimethylethyl ester, (1R,3aS,6aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

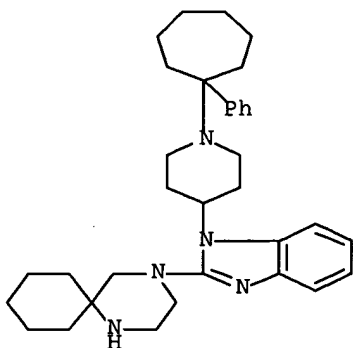


IT **352541-97-0P**

RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of benzimidazoles as ORL1-receptor agonists for analgesics)

RN 352541-97-0 CAPLUS

CN 1,4-Diazaspiro[5.5]undecane, 4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)

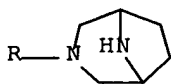
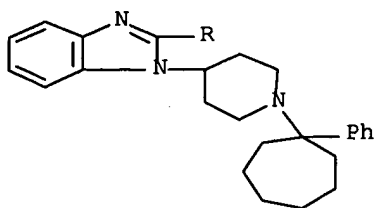


IT 352541-94-7P 352541-95-8P 352541-99-2P
 352542-01-9P 352542-03-1P 352542-05-3P
 352542-07-5P 352542-09-7P 352542-11-1P
 352542-13-3P 352542-15-5P 352542-17-7P
 352542-19-9P 352542-20-2P 352542-21-3P
 352542-22-4P 352542-23-5P 352542-24-6P
 352542-25-7P 352542-26-8P 352542-27-9P
 352542-28-0P 352542-29-1P 352542-30-4P
 352542-32-6P 352542-33-7P 352542-34-8P
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 352542-51-9P 352542-52-0P 352542-53-1P
 352542-54-2P 352542-55-3P 352542-56-4P
 352542-57-5P 352542-59-7P 352542-60-0P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of benzimidazoles as ORL1-receptor agonists for analgesics)

RN 352541-94-7 CAPLUS

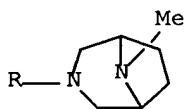
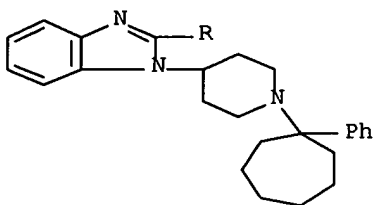
CN 1H-Benzimidazole, 2-(3,8-diazabicyclo[3.2.1]oct-3-yl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



⊙ HCl

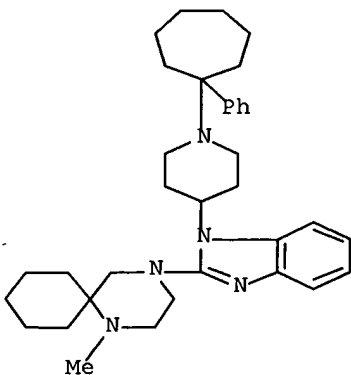
RN 352541-95-8 CAPLUS

CN 1H-Benzimidazole, 2-(8-methyl-3,8-diazabicyclo[3.2.1]oct-3-yl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352541-99-2 CAPLUS

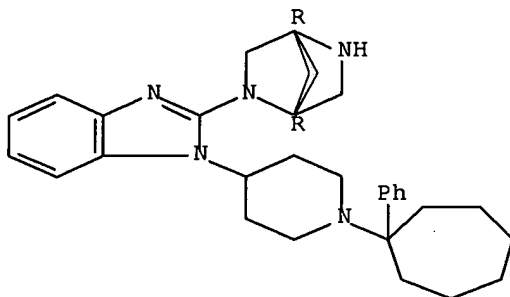
CN 1,4-Diazaspiro[5.5]undecane, 1-methyl-4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 352542-01-9 CAPLUS

CN 1H-Benzimidazole, 2-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-yl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

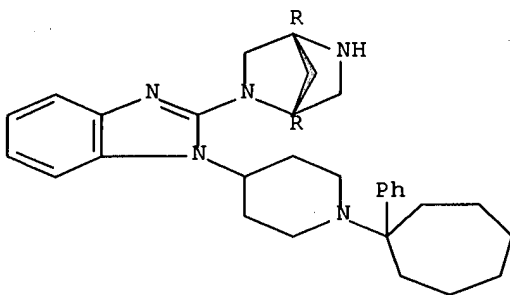


● HCl

RN 352542-03-1 CAPLUS

CN 1H-Benzimidazole, 2-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-yl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

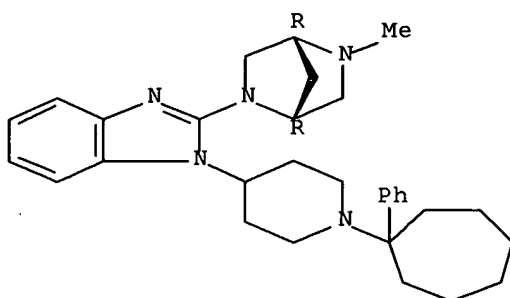
Absolute stereochemistry.



RN 352542-05-3 CAPLUS

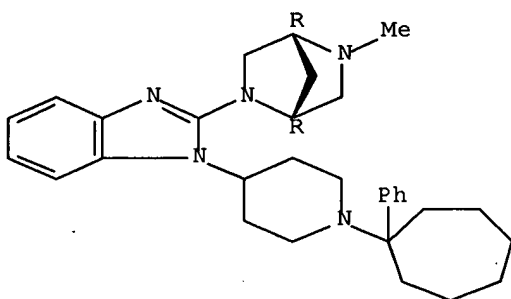
CN 1H-Benzimidazole, 2-[(1R,4R)-5-methyl-2,5-diazabicyclo[2.2.1]hept-2-yl]-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



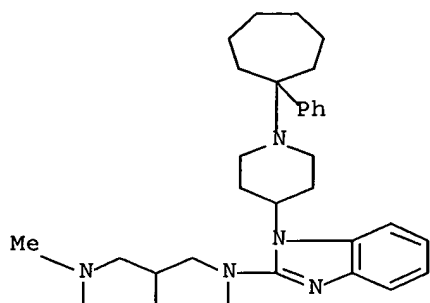
RN 352542-07-5 CAPLUS
 CN 1H-Benzimidazole, 2-[(1R,4R)-5-methyl-2,5-diazabicyclo[2.2.1]hept-2-yl]-
 1-
 [1-(1-phenylcycloheptyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA
 INDEX NAME)

Absolute stereochemistry.



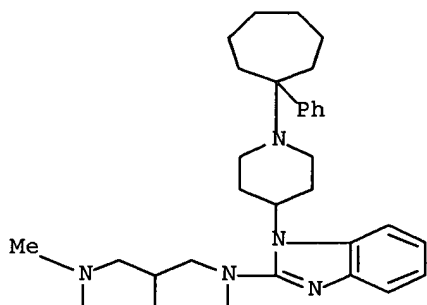
● HCl

RN 352542-09-7 CAPLUS
 CN 1H-Benzimidazole, 2-(hexahydro-5-methylpyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-
 [1-
 (1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



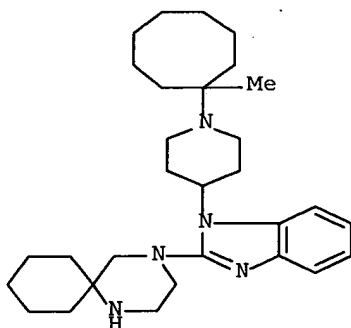
RN 352542-11-1 CAPLUS
 CN 1H-Benzimidazole, 2-(hexahydro-5-methylpyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-

[1-
 (1-phenylcycloheptyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA
 INDEX
 NAME)

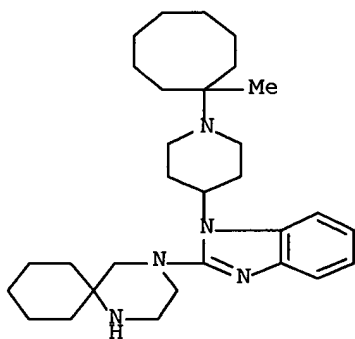


● HCl

RN 352542-13-3 CAPLUS
 CN 1,4-Diazaspiro[5.5]undecane, 4-[1-[1-(1-methylcyclooctyl)-4-
 piperidinyl]-
 1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 352542-15-5 CAPLUS
 CN 1,4-Diazaspiro[5.5]undecane, 4-[1-[1-(1-methylcyclooctyl)-4-
 piperidinyl]-
 1H-benzimidazol-2-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

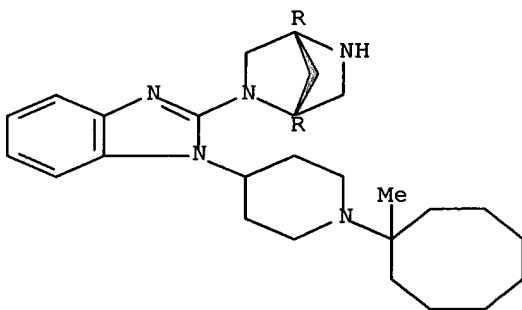


⊗ HCl

RN 352542-17-7 CAPLUS

CN 1H-Benzimidazole, 2-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-yl-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

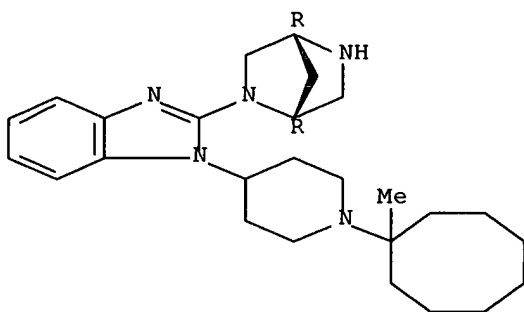


⊗ HCl

RN 352542-19-9 CAPLUS

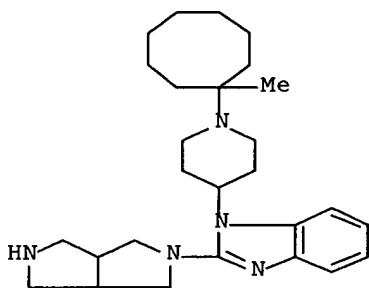
CN 1H-Benzimidazole, 2-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-yl-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



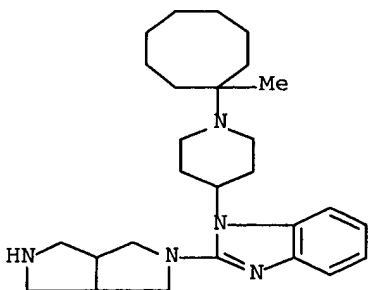
RN 352542-20-2 CAPLUS

CN 1H-Benzimidazole, 2-(hexahydropyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352542-21-3 CAPLUS

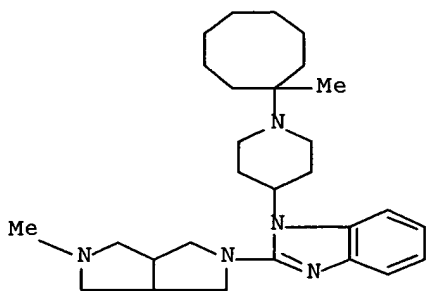
CN 1H-Benzimidazole, 2-(hexahydropyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



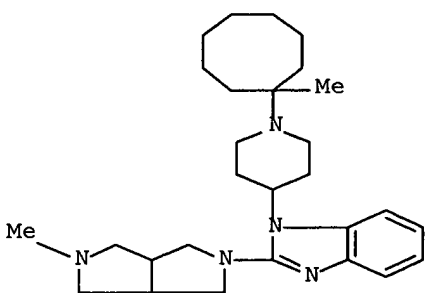
⊕ HCl

RN 352542-22-4 CAPLUS

CN 1H-Benzimidazole, 2-(hexahydro-5-methylpyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

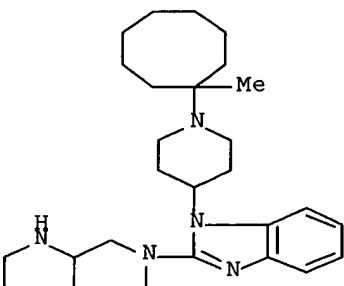


RN 352542-23-5 CAPLUS
 CN 1H-Benzimidazole, 2-((hexahydro-5-methylpyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



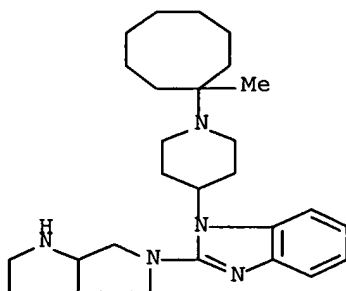
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RN 352542-24-6 CAPLUS
 CN 1H-Benzimidazole, 2-((hexahydro-5-methylpyrrolo[3,4-b]pyrrol-5(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352542-25-7 CAPLUS
 CN 1H-Benzimidazole, 2-((hexahydro-5-methylpyrrolo[3,4-b]pyrrol-5(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

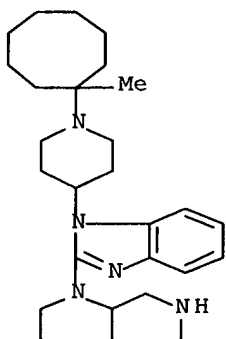
NAME)



● HCl

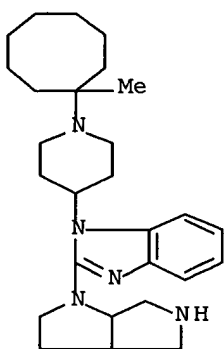
RN 352542-26-8 CAPLUS

CN 1H-Benzimidazole, 2-(hexahydropyrrolo[3,4-b]pyrrol-1(2H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352542-27-9 CAPLUS

CN 1H-Benzimidazole, 2-(hexahydropyrrolo[3,4-b]pyrrol-1(2H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

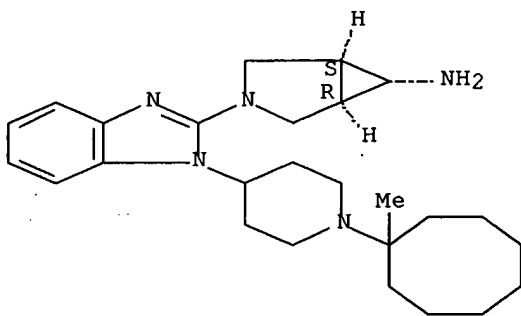


⊙ HCl

RN 352542-28-0 CAPLUS

CN 3-Azabicyclo[3.1.0]hexan-6-amine, 3-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, (1.alpha.,5.alpha.,6.alpha.)- (9CI)
(CA INDEX NAME)

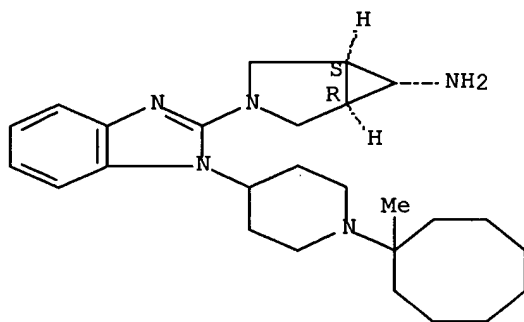
Relative stereochemistry.



RN 352542-29-1 CAPLUS

CN 3-Azabicyclo[3.1.0]hexan-6-amine, 3-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, monohydrochloride,
(1.alpha.,5.alpha.,6.alpha.)- (9CI) (CA INDEX NAME)

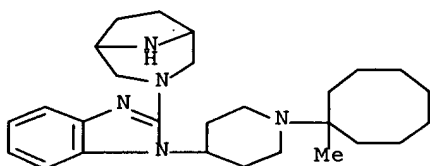
Relative stereochemistry.



⊗ HCl

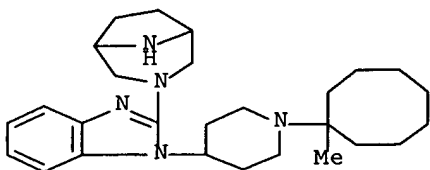
RN 352542-30-4 CAPLUS

CN 1H-Benzimidazole, 2-(3,8-diazabicyclo[3.2.1]oct-3-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352542-32-6 CAPLUS

CN 1H-Benzimidazole, 2-(3,8-diazabicyclo[3.2.1]oct-3-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

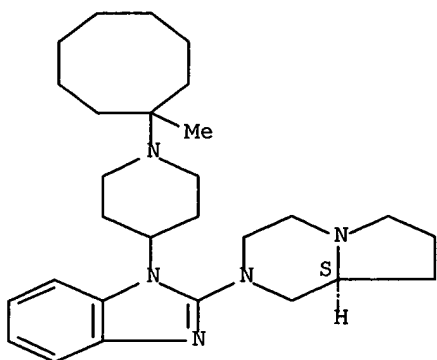


⊗ HCl

RN 352542-33-7 CAPLUS

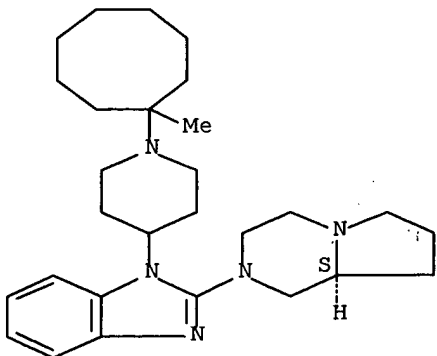
CN 1H-Benzimidazole, 2-[(8aS)-hexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl]-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



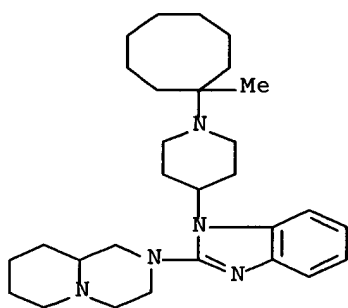
RN 352542-34-8 CAPLUS
 CN 1H-Benzimidazole, 2-[(8aS)-hexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl]-1-
 [1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX
 NAME)

Absolute stereochemistry.

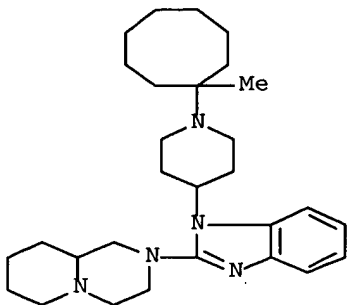


● HCl

RN 352542-35-9 CAPLUS
 CN 2H-Pyrido[1,2-a]pyrazine, octahydro-2-[1-[1-(1-methylcyclooctyl)-4-
 piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)

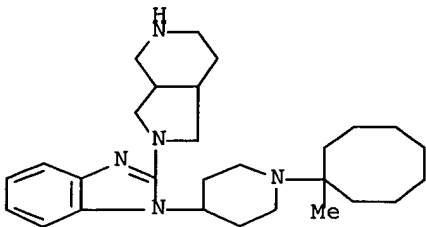


RN 352542-36-0 CAPLUS
 CN 2H-Pyrido[1,2-a]pyrazine, octahydro-2-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

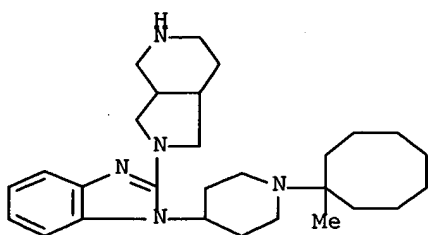


● HCl

RN 352542-38-2 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(octahydro-2H-pyrrolo[3,4-c]pyridin-2-yl)- (9CI) (CA INDEX NAME)

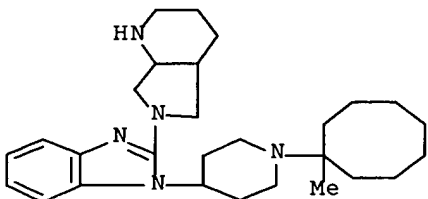


RN 352542-39-3 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(octahydro-2H-pyrrolo[3,4-c]pyridin-2-yl)-, monohydrochloride (9CI) (CA INDEX NAME)

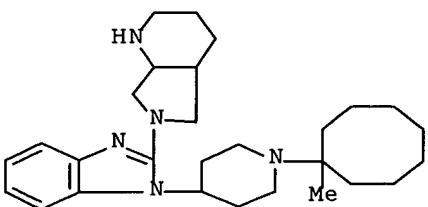


● HCl

RN 352542-40-6 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(octahydro-
 6H-
 pyrrolo[3,4-b]pyridin-6-yl)- (9CI) (CA INDEX NAME)



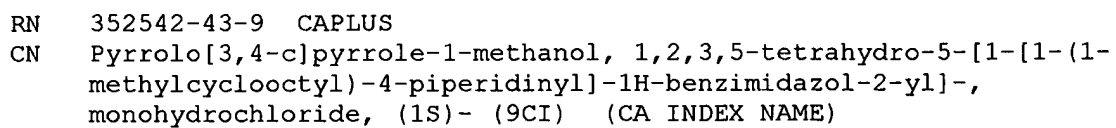
RN 352542-41-7 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(octahydro-
 6H-
 pyrrolo[3,4-b]pyridin-6-yl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

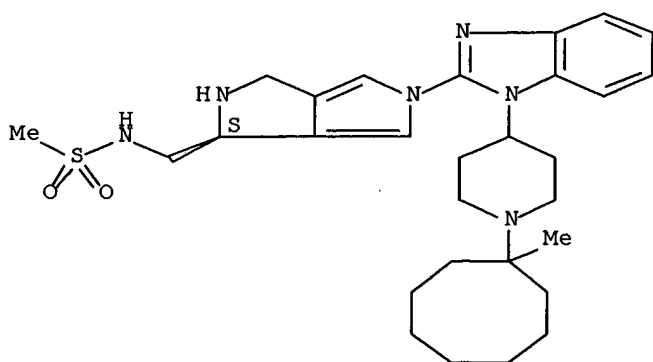
RN 352542-42-8 CAPLUS
 CN Pyrrolo[3,4-c]pyrrole-1-methanol, 1,2,3,5-tetrahydro-5-[1-[1-(1-
 methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, (1S)- (9CI)
 (CA
 INDEX NAME)

Absolute stereochemistry.

CC12CCCCC1C3CCCCC3N(C4CCCCC4)N5C=NC(=C5C6=CC=CC=C6)N7C=CC8=C7C(=C(C=C8)N)C9=CC=CC=C9

RN 352542-44-0 CAPLUS
CN Methanesulfonamide, N-[[(1S)-1,2,3,5-tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]pyrrolo[3,4-c]pyrrol-1-yl]methyl]- (9CI) (CA INDEX NAME)

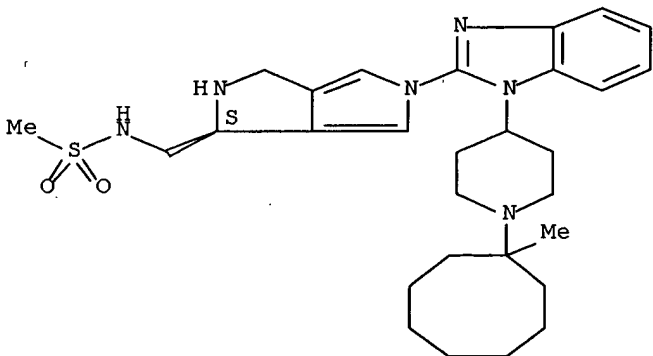
Absolute stereochemistry.



RN 352542-45-1 CAPLUS

CN Methanesulfonamide, N-[[[(1S)-1,2,3,5-tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidiny]-1H-benzimidazol-2-yl]pyrrolo[3,4-c]pyrrol-1-yl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

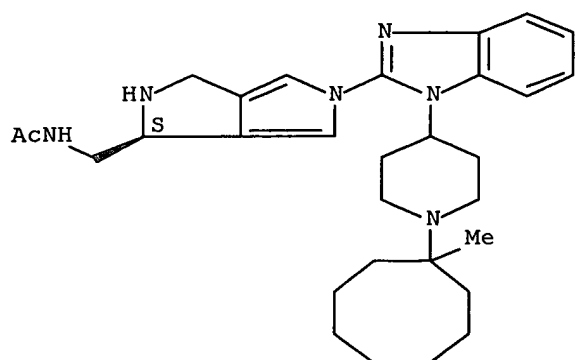


⊕ HCl

RN 352542-46-2 CAPLUS

CN Acetamide, N-[[[(1S)-1,2,3,5-tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidiny]-1H-benzimidazol-2-yl]pyrrolo[3,4-c]pyrrol-1-yl]methyl]- (9CI) (CA INDEX NAME)

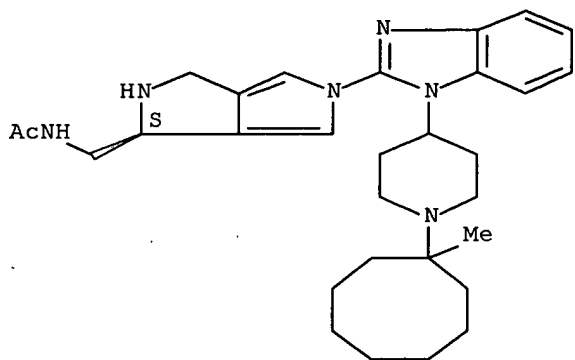
Absolute stereochemistry.



RN 352542-47-3 CAPLUS

CN Acetamide, N-[[[(1S)-1,2,3,5-tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]pyrrolo[3,4-c]pyrrol-1-yl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

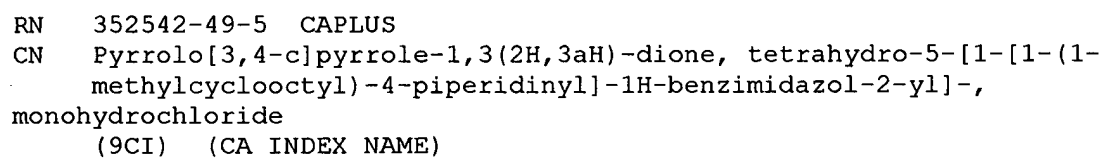
Absolute stereochemistry.



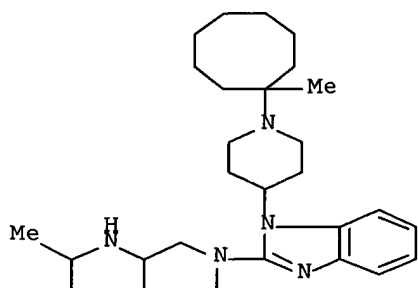
● HCl

RN 352542-48-4 CAPLUS

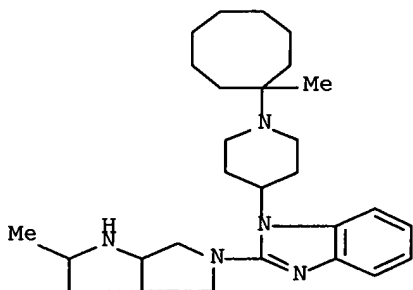
CN Pyrrolo[3,4-c]pyrrole-1,3(2H,3aH)-dione, tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 352542-50-8 CAPLUS
CN 1H-Benzimidazole, 2-(hexahydro-2-methylpyrrolo[3,4-b]pyrrol-5(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

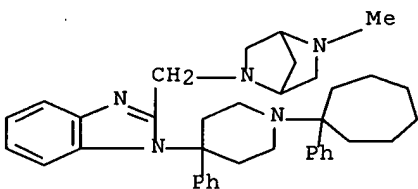


RN 352542-51-9 CAPLUS
 CN 1H-Benzimidazole, 2-(hexahydro-2-methylpyrrolo[3,4-b]pyrrol-5(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

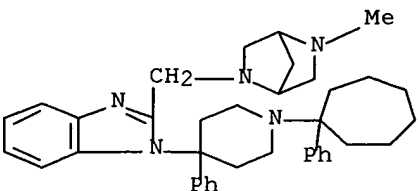


● HCl

RN 352542-52-0 CAPLUS
 CN 1H-Benzimidazole, 2-[(5-methyl-2,5-diazabicyclo[2.2.1]hept-2-yl)methyl]-1-[4-phenyl-1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



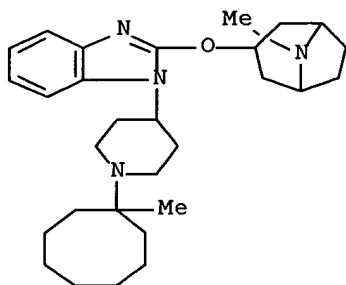
RN 352542-53-1 CAPLUS
 CN 1H-Benzimidazole, 2-[(5-methyl-2,5-diazabicyclo[2.2.1]hept-2-yl)methyl]-1-[4-phenyl-1-(1-phenylcycloheptyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



⊙ HCl

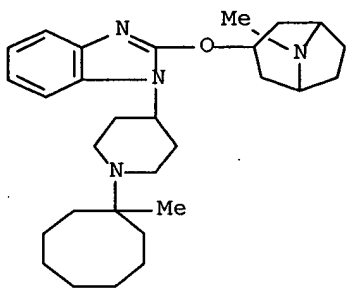
RN 352542-54-2 CAPLUS

CN 1H-Benzimidazole, 2-[(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)oxy]-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352542-55-3 CAPLUS

CN 1H-Benzimidazole, 2-[(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)oxy]-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

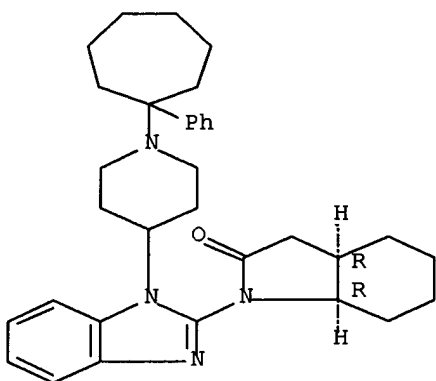


⊙ HCl

RN 352542-56-4 CAPLUS

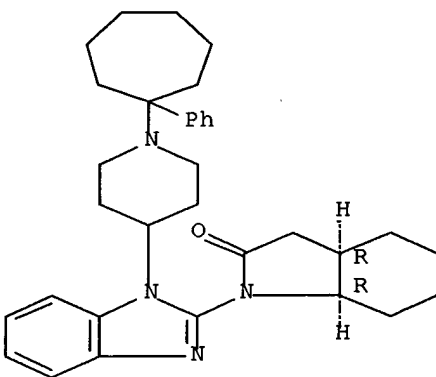
CN 2H-Indol-2-one, octahydro-1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, (3aR,7aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 352542-57-5 CAPLUS
 CN 2H-Indol-2-one, octahydro-1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-
 1H- benzimidazol-2-yl]-, monohydrochloride, (3aR,7aR)- (9CI) (CA INDEX
 NAME)

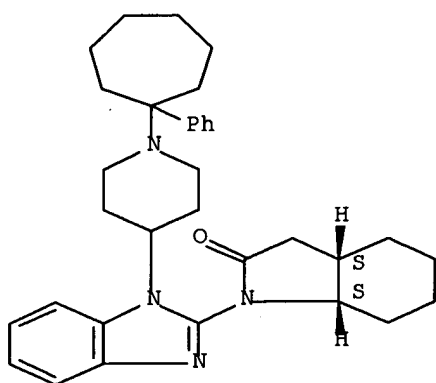
Absolute stereochemistry.



⊙ HCl

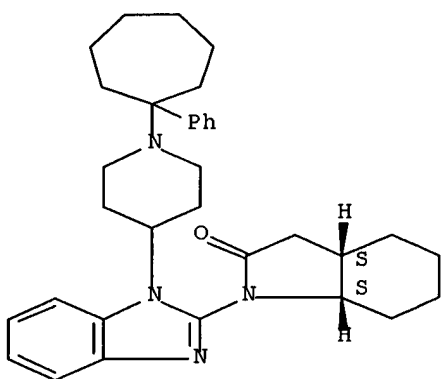
RN 352542-59-7 CAPLUS
 CN 2H-Indol-2-one, octahydro-1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-
 1H- benzimidazol-2-yl]-, (3aS,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 352542-60-0 CAPLUS
 CN 2H-Indol-2-one, octahydro-1-[1-[1-(1-phenylcycloheptyl)-4-piperidiny]-
 1H-
 benzimidazol-2-yl]-, monohydrochloride, (3aS,7aS)- (9CI) (CA INDEX
 NAME)

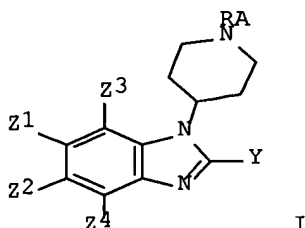
Absolute stereochemistry.



● HCl

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2001 ACS
 AN 2000:117042 CAPLUS
 DN 132:151821
 TI Preparation of 2-substituted-1-piperidylbenzimidazoles as ORL1 receptor agonists.
 IN Ito, Fumitaka; Noguchi, Hirohide; Kondo, Hiroshi
 PA Pfizer Pharmaceuticals Inc., Japan; Pfizer Inc.
 SO PCT Int. Appl., 127 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000008013	A2	20000217	WO 1999-IB1239	19990705
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	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9943859	A1	20000228	AU 1999-43859	19990705
	EP 1102762	A2	20010530	EP 1999-926688	19990705
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	NO 2001000603	A	20010405	NO 2001-603	20010205
PRAI	WO 1998-IB1206	W	19980806		
	WO 1999-IB1239	W	19990705		
OS	MARPAT 132:151821				
GI					



AB Title compds. [I; R = (substituted) mono-, di-, tri-, or tetracycloalkyl; A = alkyl, haloalkyl, alkenyl, alkynyl, (substituted) phenylalkyl, aryl, heteroaryl, heterocyclyl; Y = H, halo, amino, SH, (substituted) alkyl-M, cycloalkyl-M, alkenyl-M, alkyl-NH-alkyl-M, dialkyl-N-alkyl-M, aryl-M, heterocyclyl-M, arylalkyl-M, etc.; M = bond, O, S, NH S, SO, SO₂, etc.; Z1-Z4 = H, halo, alkyl, haloalkyl, alkoxy, alkylsulfonyl, alkylcarbonyl, CO₂H, amino, H₂NCO, Ph, naphthyl, etc.], were prepd. as ORL1 receptor agonists (no data). Thus, 2-chloro-1-[1-(1-phenylcycloheptyl)-4-piperidiny]benzimidazole (prepn. given) was stirred with MeNH₂ in MeOH in an autoclave at 110.degree. for 6 h to give N-methyl-1-[1-(1-phenylcycloheptyl)-4-piperidiny]-1H-benzimidazol-

2-amine.

IT 258286-77-0P 258286-79-2P 258286-80-5P
 258286-84-9P 258286-87-2P 258286-88-3P
 258286-98-5P 258286-99-6P 258287-00-2P
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 258288-50-5P 258288-51-6P 258288-56-1P
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RL: BAC (Biological activity or effector, except adverse); SPN

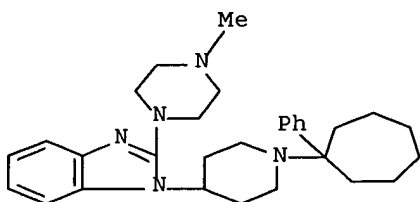
(Synthetic

preparation); THU (Therapeutic use); BIOL (Biological study); PREP
 (Preparation); USES (Uses)

(prepn. of 2-substituted-1-piperidylbenzimidazoles as ORL1 receptor
 agonists)

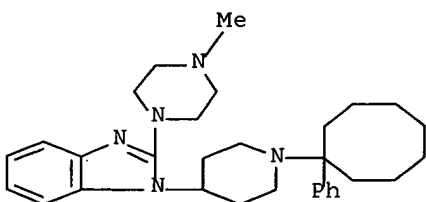
RN 258286-77-0 CAPLUS

CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-
 4-piperidiny]- (9CI) (CA INDEX NAME)

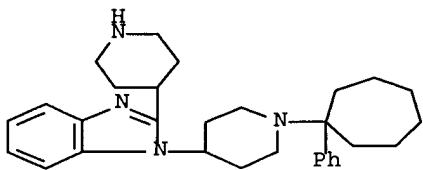


RN 258286-79-2 CAPLUS

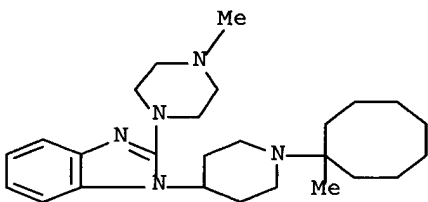
CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcyclooctyl)-
 4-piperidiny]- (9CI) (CA INDEX NAME)



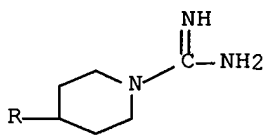
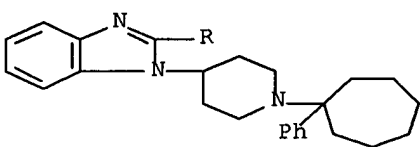
RN 258286-80-5 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-piperidinyl)- (9CI) (CA INDEX NAME)



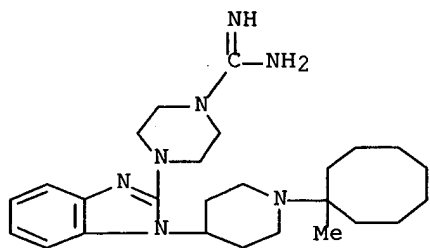
RN 258286-84-9 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(4-methyl-1-piperazinyl)- (9CI) (CA INDEX NAME)



RN 258286-87-2 CAPLUS
 CN 1-Piperidinecarboximidamide, 4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)

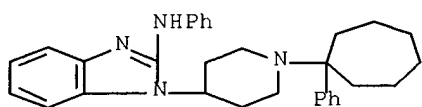


RN 258286-88-3 CAPLUS
 CN 1-Piperazinecarboximidamide, 4-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



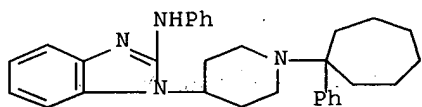
RN 258286-98-5 CAPLUS

CN 1H-Benzimidazol-2-amine, N-phenyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 258286-99-6 CAPLUS

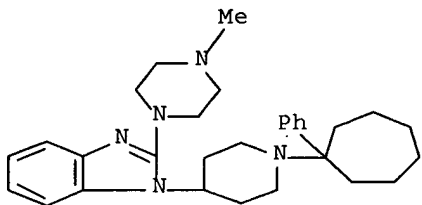
CN 1H-Benzimidazol-2-amine, N-phenyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, dihydrochloride (9CI) (CA INDEX NAME)



⊕2 HCl

RN 258287-00-2 CAPLUS

CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)

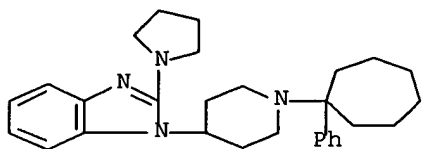


⊕3 HCl

RN 258287-07-9 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(1-

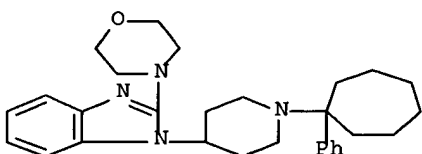
pyrrolidinyl)-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

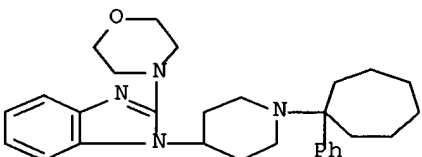
RN 258287-08-0 CAPLUS

CN 1H-Benzimidazole, 2-(4-morpholinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 258287-09-1 CAPLUS

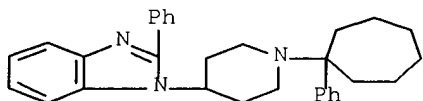
CN 1H-Benzimidazole, 2-(4-morpholinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

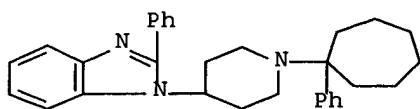
RN 258287-19-3 CAPLUS

CN 1H-Benzimidazole, 2-phenyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 258287-20-6 CAPLUS

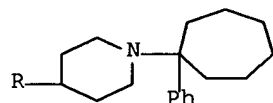
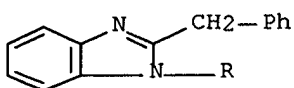
CN 1H-Benzimidazole, 2-phenyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, dihydrochloride (9CI) (CA INDEX NAME)



⊗2 HCl

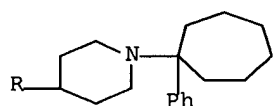
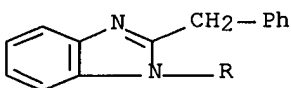
RN 258287-21-7 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 258287-22-8 CAPLUS

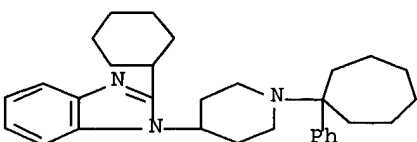
CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(phenylmethyl)-, dihydrochloride (9CI) (CA INDEX NAME)



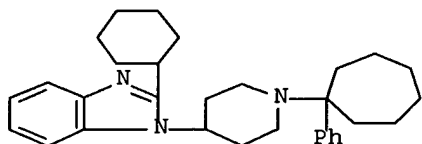
⊗2 HCl

RN 258287-23-9 CAPLUS

CN 1H-Benzimidazole, 2-cyclohexyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

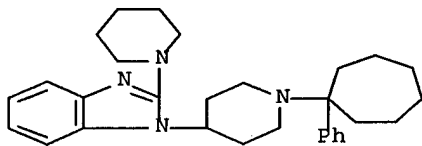


RN 258287-24-0 CAPLUS
 CN 1H-Benzimidazole, 2-cyclohexyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, dihydrochloride (9CI) (CA INDEX NAME)

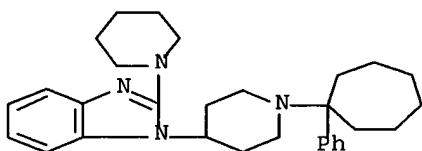


●2 HCl

RN 258287-25-1 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(1-piperidinyl)- (9CI) (CA INDEX NAME)

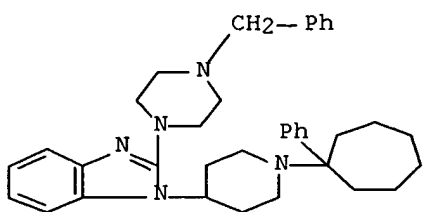


RN 258287-26-2 CAPLUS
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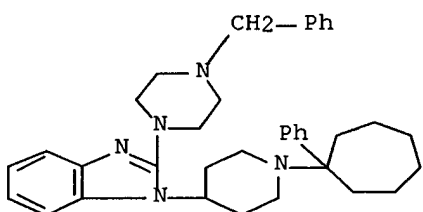


●2 HCl

RN 258287-27-3 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-[4-(phenylmethyl)-1-piperazinyl]- (9CI) (CA INDEX NAME)

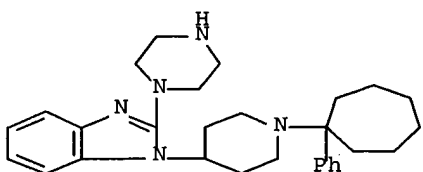


RN 258287-28-4 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-[4-(phenylmethyl)-1-piperazinyl]-, trihydrochloride (9CI) (CA INDEX NAME)

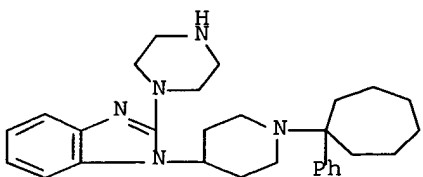


3 HCl

RN 258287-29-5 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(1-piperazinyl)- (9CI) (CA INDEX NAME)

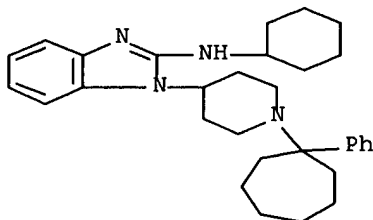


RN 258287-30-8 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(1-piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)

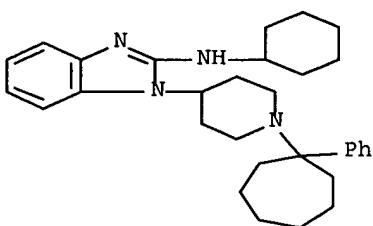


3 HCl

RN 258287-33-1 CAPLUS
 CN 1H-Benzimidazol-2-amine, N-cyclohexyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

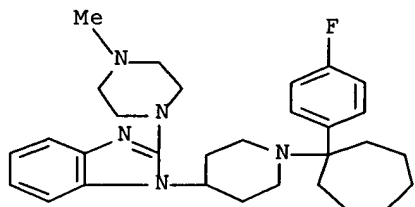


RN 258287-34-2 CAPLUS
 CN 1H-Benzimidazol-2-amine, N-cyclohexyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, hydrochloride (9CI) (CA INDEX NAME)

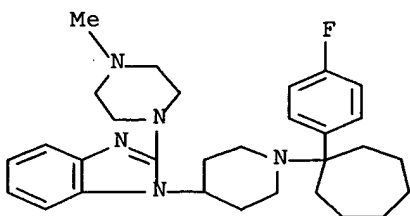


⊗x HCl

RN 258287-37-5 CAPLUS
 CN 1H-Benzimidazole, 1-[1-[1-(4-fluorophenyl)cycloheptyl]-4-piperidinyl]-2-(4-methyl-1-piperazinyl)- (9CI) (CA INDEX NAME)

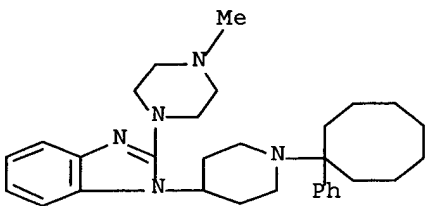


RN 258287-38-6 CAPLUS
 CN 1H-Benzimidazole, 1-[1-[1-(4-fluorophenyl)cycloheptyl]-4-piperidinyl]-2-(4-methyl-1-piperazinyl)-, hydrochloride (9CI) (CA INDEX NAME)



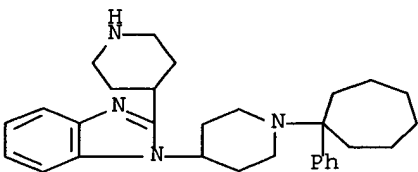
⊗x HCl

RN 258287-39-7 CAPLUS
 CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcyclooctyl)-4-piperidinyl]-, hydrochloride (9CI) (CA INDEX NAME)



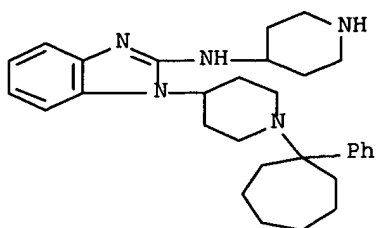
⊙x HCl

RN 258287-40-0 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-piperidinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



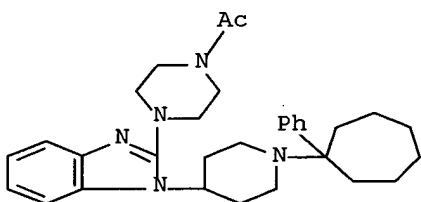
⊗3 HCl

RN 258287-54-6 CAPLUS
 CN 1H-Benzimidazol-2-amine, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-N-4-piperidinyl-, trihydrochloride (9CI) (CA INDEX NAME)

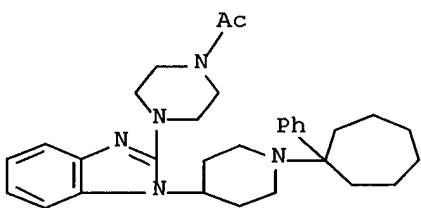


③ HCl

RN 258287-59-1 CAPLUS
 CN Piperazine, 1-acetyl-4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)

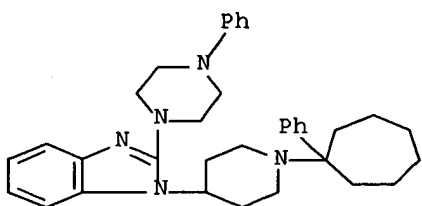


RN 258287-60-4 CAPLUS
 CN Piperazine, 1-acetyl-4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, trihydrochloride (9CI) (CA INDEX NAME)

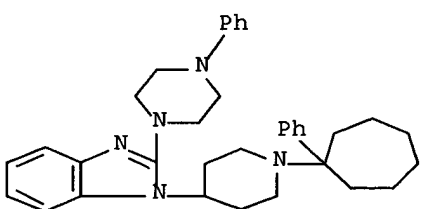


③ HCl

RN 258287-61-5 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-phenyl-1-piperazinyl)- (9CI) (CA INDEX NAME)

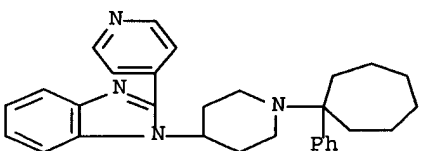


RN 258287-62-6 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-phenyl-1-piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)

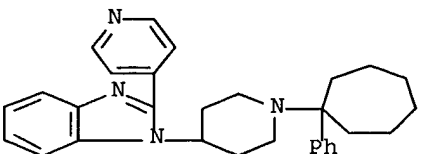


●3 HCl

RN 258287-63-7 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-pyridinyl)- (9CI) (CA INDEX NAME)



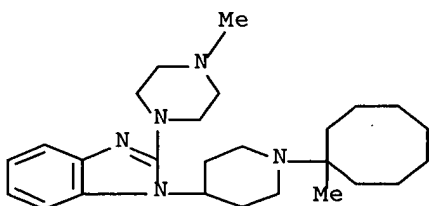
RN 258287-64-8 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-pyridinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



●3 HCl

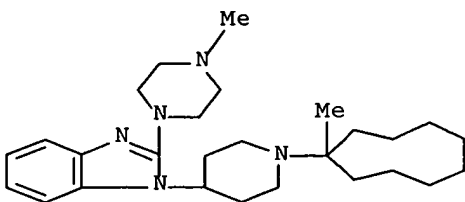
RN 258287-67-1 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(4-methyl-
1-
piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)

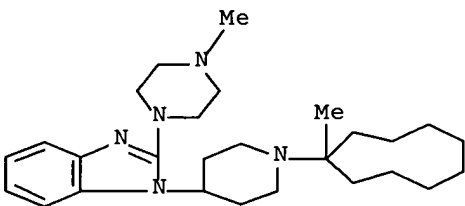


⊙3 HCl

RN 258287-68-2 CAPLUS
CN 1H-Benzimidazole, 1-[1-(1-methylcyclononyl)-4-piperidinyl]-2-(4-methyl-
1-
piperazinyl)- (9CI) (CA INDEX NAME)

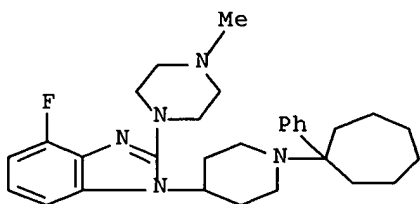


RN 258287-69-3 CAPLUS
CN 1H-Benzimidazole, 1-[1-(1-methylcyclononyl)-4-piperidinyl]-2-(4-methyl-
1-
piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



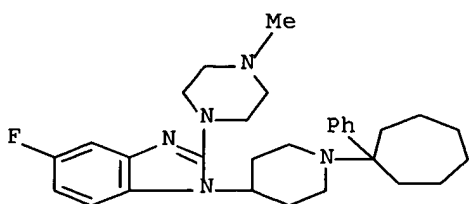
⊙3 HCl

RN 258287-73-9 CAPLUS
CN 1H-Benzimidazole, 4-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-
phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



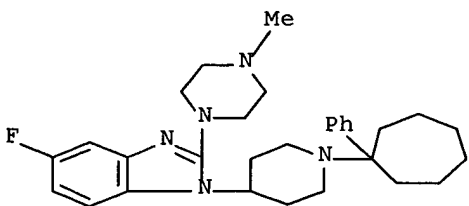
RN 258287-74-0 CAPLUS

CN 1H-Benzimidazole, 5-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 258287-75-1 CAPLUS

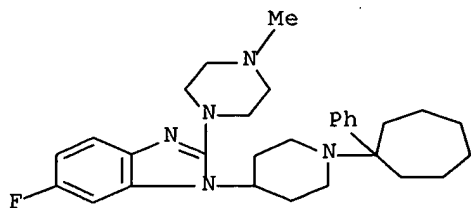
CN 1H-Benzimidazole, 5-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)



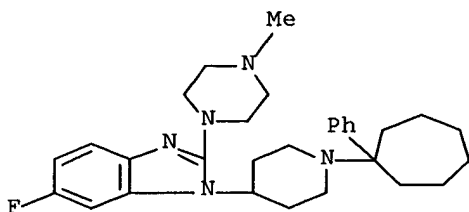
⊕3 HCl

RN 258287-76-2 CAPLUS

CN 1H-Benzimidazole, 6-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

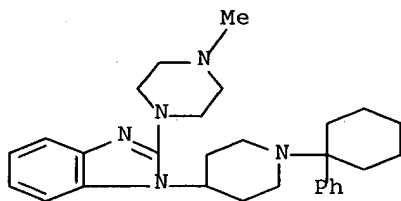


RN 258287-77-3 CAPLUS
 CN 1H-Benzimidazole, 6-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)

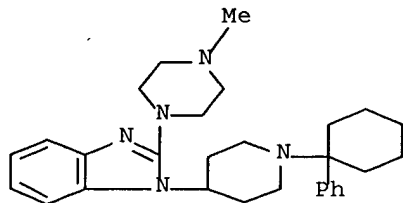


⊙3 HCl

RN 258287-78-4 CAPLUS
 CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcyclohexyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

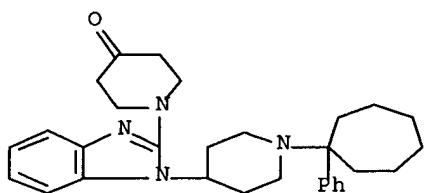


RN 258287-79-5 CAPLUS
 CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcyclohexyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)



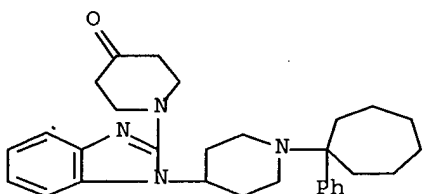
⊙3 HCl

RN 258287-83-1 CAPLUS
 CN 4-Piperidinone, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 258287-84-2 CAPLUS

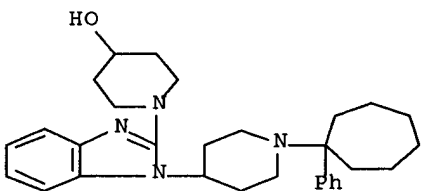
CN 4-Piperidinone, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

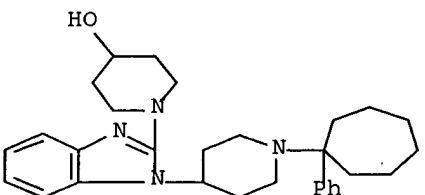
RN 258287-85-3 CAPLUS

CN 4-Piperidinol, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 258287-86-4 CAPLUS

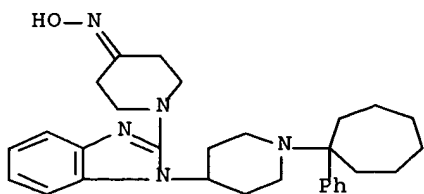
CN 4-Piperidinol, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

RN 258287-87-5 CAPLUS

CN 4-Piperidinone, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, oxime (9CI) (CA INDEX NAME)



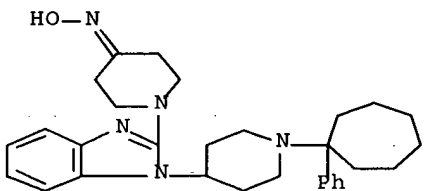
RN 258287-88-6 CAPLUS

CN 4-Piperidinone, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, oxime, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 258287-87-5

CMF C30 H39 N5 O



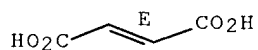
CM 2

CRN 110-17-8

CMF C4 H4 O4

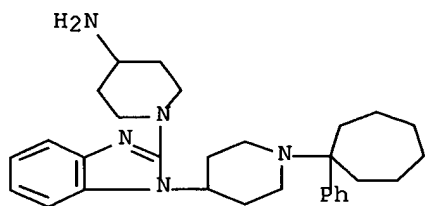
CDES 2:E

Double bond geometry as shown.



RN 258287-89-7 CAPLUS

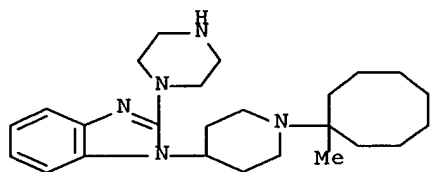
CN 4-Piperidinamine, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, trihydrochloride (9CI) (CA INDEX NAME)



●3 HCl

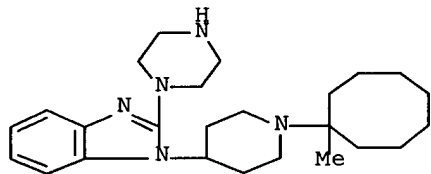
RN 258288-00-5 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(1-piperazinyl)- (9CI) (CA INDEX NAME)



RN 258288-01-6 CAPLUS

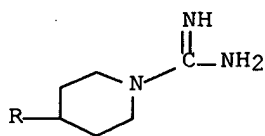
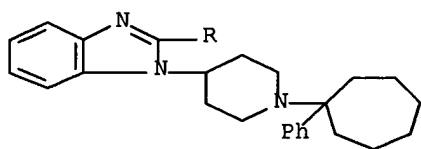
CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(1-piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



●3 HCl

RN 258288-03-8 CAPLUS

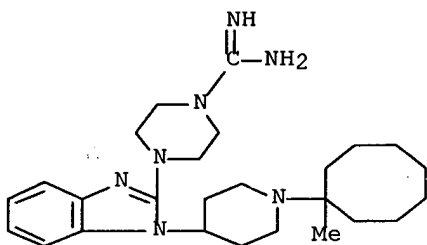
CN 1-Piperidinecarboximidamide, 4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, dihydrochloride (9CI) (CA INDEX NAME)



⊗2 HCl

RN 258288-04-9 CAPLUS

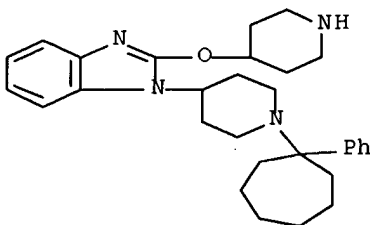
CN 1-Piperazinecarboximidamide, 4-[1-[1-(1-methylcyclooctyl)-4-piperidiny]]-1H-benzimidazol-2-yl]-, dihydrochloride (9CI) (CA INDEX NAME)



⊗2 HCl

RN 258288-05-0 CAPLUS

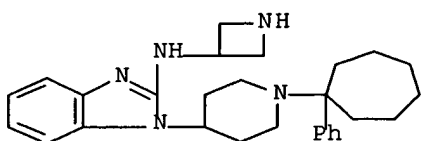
CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidiny]]-2-(4-piperidinyloxy)-, dihydrochloride (9CI) (CA INDEX NAME)



⊗2 HCl

RN 258288-10-7 CAPLUS

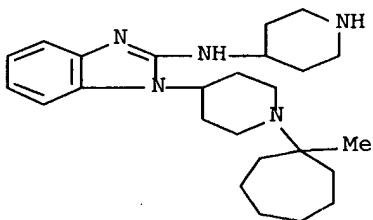
CN 1H-Benzimidazol-2-amine, N-3-azetidiny-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)



⊙3 HCl

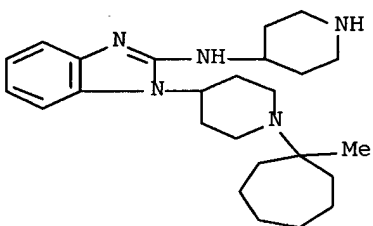
RN 258288-16-3 CAPLUS

CN 1H-Benzimidazol-2-amine, 1-[1-(1-methylcycloheptyl)-4-piperidinyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 258288-18-5 CAPLUS

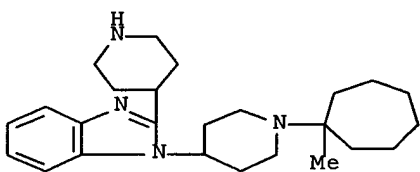
CN 1H-Benzimidazol-2-amine, 1-[1-(1-methylcycloheptyl)-4-piperidinyl]-N-4-piperidinyl-, dihydrochloride (9CI) (CA INDEX NAME)



⊙2 HCl

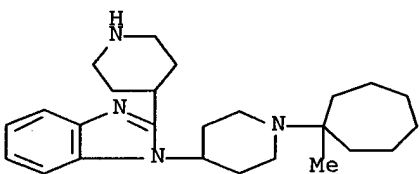
RN 258288-22-1 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-methylcycloheptyl)-4-piperidinyl]-2-(4-piperidinyl)- (9CI) (CA INDEX NAME)



RN 258288-24-3 CAPLUS

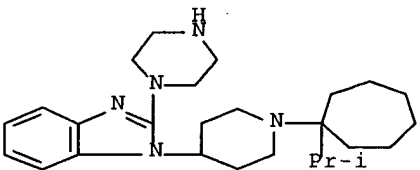
CN 1H-Benzimidazole, 1-[1-(1-methylcycloheptyl)-4-piperidinyl]-2-(4-piperidinyl)-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

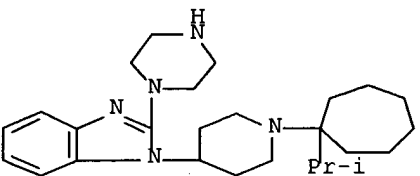
RN 258288-26-5 CAPLUS

CN 1H-Benzimidazole, 1-[1-[1-(1-methylethyl)cycloheptyl]-4-piperidinyl]-2-(1-piperazinyl)- (9CI) (CA INDEX NAME)



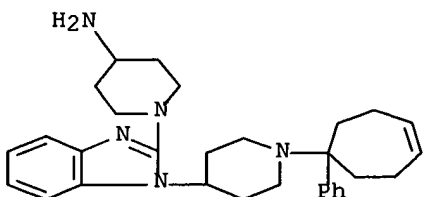
RN 258288-28-7 CAPLUS

CN 1H-Benzimidazole, 1-[1-[1-(1-methylethyl)cycloheptyl]-4-piperidinyl]-2-(1-piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)

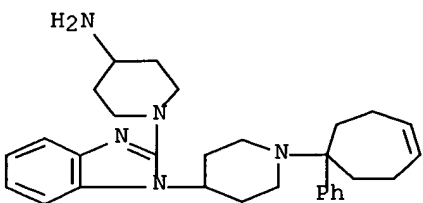


●3 HCl

RN 258288-32-3 CAPLUS
 CN 4-Piperidinamine, 1-[1-[1-(1-phenyl-4-cyclohepten-1-yl)-4-piperidinyl]-
 1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)

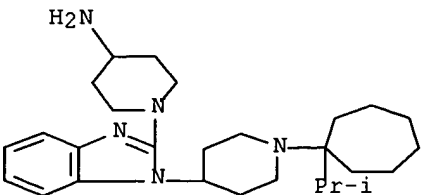


RN 258288-33-4 CAPLUS
 CN 4-Piperidinamine, 1-[1-[1-(1-phenyl-4-cyclohepten-1-yl)-4-piperidinyl]-
 1H-benzimidazol-2-yl]-, trihydrochloride (9CI) (CA INDEX NAME)

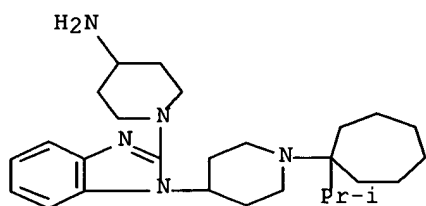


3 HCl

RN 258288-40-3 CAPLUS
 CN 4-Piperidinamine, 1-[1-[1-[1-(1-methylethyl)cycloheptyl]-4-piperidinyl]-
 1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 258288-42-5 CAPLUS
 CN 4-Piperidinamine, 1-[1-[1-[1-(1-methylethyl)cycloheptyl]-4-piperidinyl]-
 1H-benzimidazol-2-yl]-, trihydrochloride (9CI) (CA INDEX NAME)

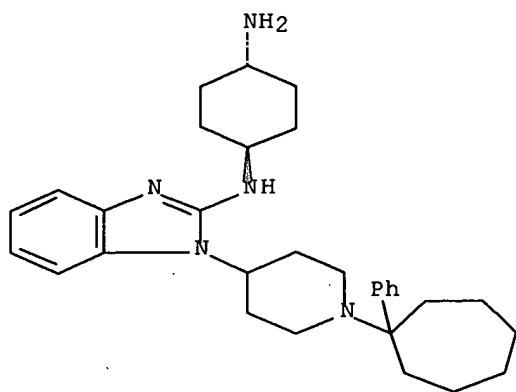


⊗3 HCl

RN 258288-44-7 CAPLUS

CN 1,4-Cyclohexanediamine, N-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, trans- (9CI) (CA INDEX NAME)

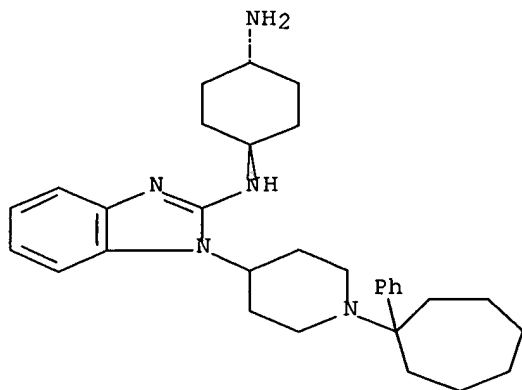
Relative stereochemistry.



RN 258288-46-9 CAPLUS

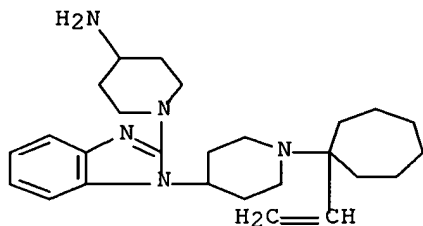
CN 1,4-Cyclohexanediamine, N-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, trihydrochloride, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

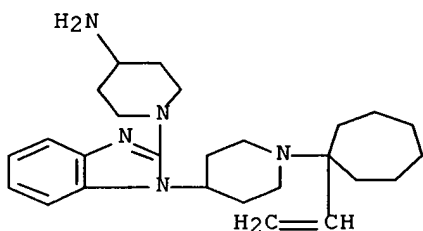


⊗3 HCl

RN 258288-50-5 CAPLUS
 CN 4-Piperidinamine, 1-[1-[1-(1-ethenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)

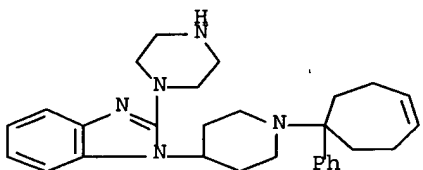


RN 258288-51-6 CAPLUS
 CN 4-Piperidinamine, 1-[1-[1-(1-ethenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, dihydrochloride (9CI) (CA INDEX NAME)

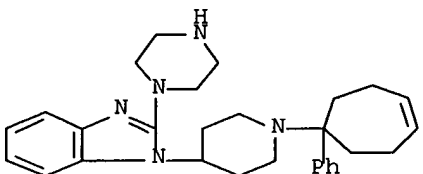


⊙2 HCl

RN 258288-56-1 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenyl-4-cyclohepten-1-yl)-4-piperidinyl]-2-(1-piperazinyl)- (9CI) (CA INDEX NAME)



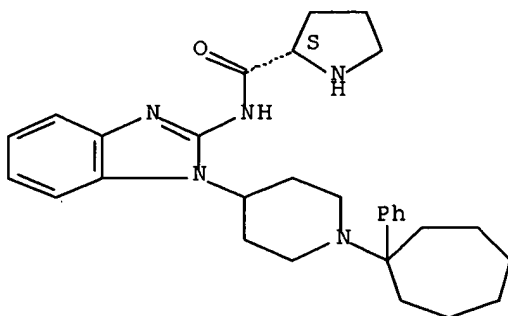
RN 258288-57-2 CAPLUS
 CN 1H-Benzimidazole, 1-[1-(1-phenyl-4-cyclohepten-1-yl)-4-piperidinyl]-2-(1-piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



⊙3 HCl

RN 258288-74-3 CAPLUS
 CN 2-Pyrrolidinecarboxamide, N-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, dihydrochloride, (2S)- (9CI) (CA INDEX NAME)

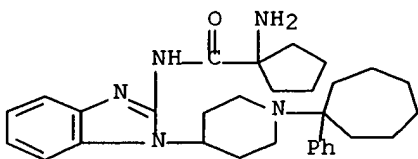
Absolute stereochemistry.



●2 HCl

RN 258288-79-8 CAPLUS

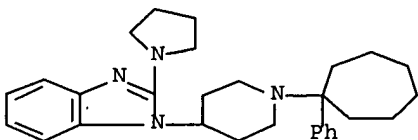
CN Cyclopentanecarboxamide, 1-amino-N-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, dihydrochloride (9CI) (CA INDEX NAME)



○2 HCl

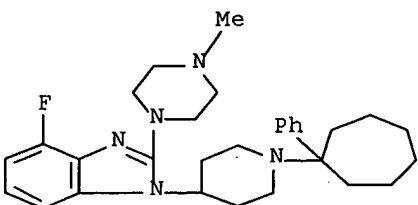
RN 258289-05-3 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



RN 258289-06-4 CAPLUS

CN 1H-Benzimidazole, 4-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)



○3 HCl

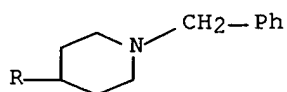
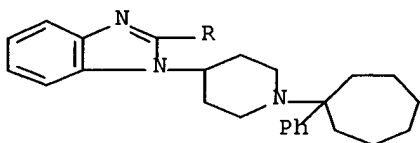
IT 258288-83-4P 258288-86-7P 258288-87-8P

258288-88-9P 258288-89-0P 258288-90-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 2-substituted-1-piperidylbenzimidazoles as ORL1 receptor agonists)

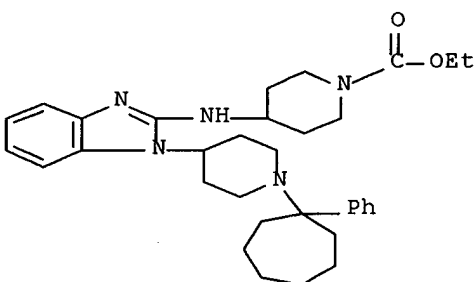
RN 258288-83-4 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-[1-(phenylmethyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



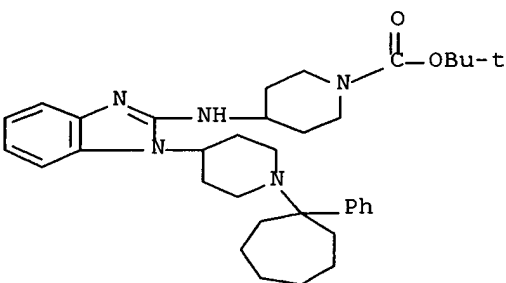
RN 258288-86-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



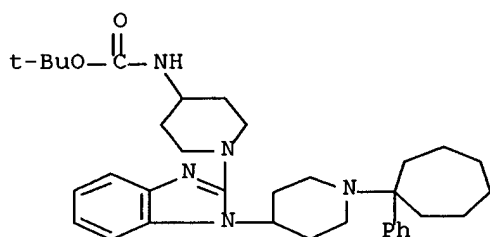
RN 258288-87-8 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



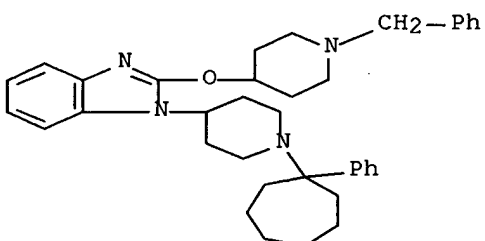
RN 258288-88-9 CAPLUS

CN Carbamic acid, [1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



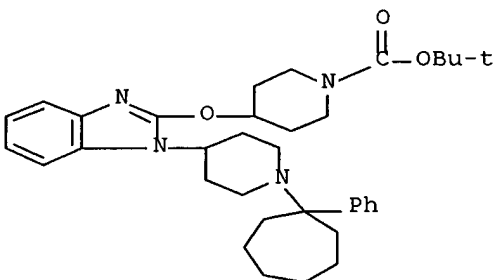
RN 258288-89-0 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-[[1-(phenylmethyl)-4-piperidinyl]oxy]- (9CI) (CA INDEX NAME)

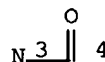
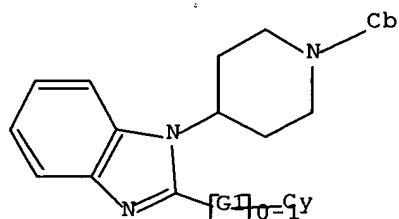


RN 258288-90-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]oxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



=> d l1; d his; log y
 L1 HAS NO ANSWERS
 L1 STR



G1 C, O, S, N, [G1-@2], [G3-@4]

Structure attributes must be viewed using STN Express query preparation.

(FILE 'REGISTRY' ENTERED AT 16:11:17 ON 03 DEC 2001)
 DEL HIS Y
 L1 STRUCTURE UPLOADED
 L2 8 S L1
 L3 141 S L1 FUL

FILE 'CAPLUS' ENTERED AT 16:14:42 ON 03 DEC 2001
 L4 2 S L3

FILE 'BEILSTEIN' ENTERED AT 16:16:37 ON 03 DEC 2001
 L5 0 S L1
 L6 0 S L1 FUL

FILE 'MARPAT' ENTERED AT 16:17:07 ON 03 DEC 2001
 L7 0 S L1
 L8 2 S L1 FUL
 L9 0 S L8 NOT L4

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	94.62	239.69
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-1.18

STN INTERNATIONAL LOGOFF AT 16:18:19 ON 03 DEC 2001